AL1024ULM Multi-Output Access Control Power Supply/Charger

Rev. DSAL1024ULM_E10L

Overview

This multi-output access control power supply/charger is specifically designed for use with access control systems and accessories. These units convert a 115VAC / 60Hz input into five (5) individually protected Class 2 Rated power limited 24VDC outputs (see specifications). Each output will route power to a variety of access control hardware devices including Mag Locks, Electric Strikes, Magnetic Door Holders, etc. These outputs will operate in both Fail-Safe and Fail-Secure modes. Controlled trigger input is achieved through normally open (N.O.) or normally closed (N.C.) supervised input or the polarity reversal from an FACP (Fire Alarm Control Panel). A form "C" dry output relay enables HVAC Shutdown, Elevator Recall or may be used to trigger auxiliary devices.

Specifications

- 24VDC outputs.
- Access Control applications: 24VDC @ 10 amp, Fire Alarm applications: 24VDC @ 8 amp supply current with 10 amp during alarm.
- Input 115VAC input at 60 Hz. rated @ 4.4 amp.
- Fire Alarm Panel or Access Control System trigger inputs. N.O. or N.C. supervised trigger input and polarity reversal trigger input.
- Five (5) individual Class 2 Rated power limited outputs rated @ 2.5 amp.
- Current limit is 24VDC @ 2 amp per output.
- Filtered and electronically regulated outputs.
- Thermal and short circuit protection with auto reset.
- Overload protection.
- Output relay energizes when unit is triggered (form "C" contact rated 1 amp @ 28VDC).
- Built-in charger for sealed lead acid or gel type batteries.
- Automatic switch over to stand-by battery when AC fails (zero voltage drop).
- Maximum charge current 3.6 amp.
- Enclosure accommodates up to two (2) 12VDC/12AH batteries.
- DC output LED indicator.
- LEDs indicate condition of power outputs.
- Power & input trigger LEDs.
- AC fail supervision (form "C" contact).
- Low battery supervision (form "C" contact).
- Battery presence supervision (form "C" contact).
- Power fail supervision relay (form "C" contact rated 1 amp @ 28VDC).
- Power supply is complete with enclosure, cam lock, transformer and battery leads.
- Enclosure:
  - Combination knockouts re 1/2" and 3/4"
  - Accommodates up to two (2) 12VDC/12AH batteries.

***AL1024ULM weights** (approximate):*

Product weight:11.4 lbs.
Shipping weight: 12.7 lbs.

Agency Approvals

UL Listed for Access Control Systems Units (UL 294).
UL Listed Standard for Safety for Fire Protective Signaling Systems (UL 1481).

CUL Listed - CSA Standard C22.2 No.205-M1983 Signal Equipment.

CSFM - California State Fire Marshal Approved.

Enclosure Dimensions

15.5”H x 12”W x 4.5”D